

COVER PAGE

**MEASURING ATTRIBUTES OF WILDERNESS CHARACTER
WILDERNESS CHARACTERISTICS INVENTORY**

**CDCA258/LAVA HILLS
AUGUST 2015**

Needles Field Office



Summary of Analysis*

Area Unique Identifier: CDCA258/Lava Hills

Summary

Results of analysis:

(Note: explain the inventory findings for the entirety of the inventory unit. When wilderness characteristics have been identified in an area that is smaller than the size of the total inventory unit, explain why certain portions of the inventory unit are not included within the lands with wilderness characteristics (e.g. the inventory found that certain parts lacked naturalness).

1. Does the area meet any of the size requirements? ☒ Yes ___ No
2. Does the area appear to be natural? ☒ Yes ___ No ___ N/A
3. Does the area offer outstanding opportunities for solitude or a primitive and unconfined type of recreation? ☒ Yes ___ No ___ N/A
4. Does the area have supplemental values? ☒ Yes ___ No ___ N/A

Check one:

☒ The area, or a portion of the area, has wilderness characteristics and is identified as lands with wilderness characteristics.

☐ The area does not have wilderness characteristics.

Prepared by (team members):

Ramona Daniels, Outdoor Recreation Planner, Wilderness Coordinator,
August 18, 2015

Reviewed by (District or Field Manager):

Name:  Title: _____

Date: 10-22-15

* This form documents information that constitutes an inventory finding on wilderness characteristics. It does not represent a formal land use allocation or a final agency decision subject to administrative remedies under either 43 CFR parts 4 or 1610.5-3.

FORM 1

Documentation of BLM Wilderness Characteristics Inventory Findings from Previous Inventory on Record

1. Is there existing BLM wilderness characteristics inventory information on all or part of this area?

☐ **No** (Go to Form 2)

☒ **Yes** (If yes, and if more than one area is within the area, list the unique identifiers for those areas.):

a) Inventory Source: California Desert Conservation Area Wilderness Inventory 1979

b) Inventory Area Unique Identifier(s): CDCA258

c) Map Name(s)/Number(s): USGS, California 1:100,000: 34115-e1 Amboy

d) BLM District(s)/Field Office(s): California Desert District/Needles Field Office

2. BLM Inventory Findings on Record:

Existing inventory information regarding wilderness characteristics (if more than one BLM inventory area is associated with the area, list each area and answer each question individually for each inventory area):

Inventory Source: Needles Field Office Inventory

| Area Unique Identifier | Sufficient Size? Yes/No (acres) | Naturalness? Yes/No | Outstanding Solitude? Yes/No | Outstanding Primitive & Unconfined Recreation? Yes/No | Supplemental Values? Yes/No |
|------------------------|---------------------------------|---------------------|------------------------------|---|-----------------------------|
| CDCA258 | Y | Y | Y | Y | Y |
| | | | | | |
| | | | | | |

FORM 2

Current Conditions: Presence or Absence of Wilderness Characteristics

Area Unique Identifier: CDCA258/Lava Hills

Acreage: 34,412

(If the inventory area consists of subunits, list the acreage of each and evaluate each separately).

In completing steps (1)-(5), use additional space as necessary.

(1) Is the area of sufficient size? (If the area meets one of the exceptions to the size criterion, check "Yes" and describe the exception in the space provided below),

Yes ☒ No ☐

Note: If "No" is checked the area does not have wilderness characteristics; check "NA" for the remaining questions below.

Description (describe the boundaries of the area--wilderness inventory roads, property lines, etc.):

The northern boundary is a right-of-way for a gas line maintenance road; the eastern boundary, a maintained road from Bagdad to a gas pipeline maintenance road; and, the western boundary, a maintained road from Klondike to a gas pipeline maintenance road. The southern boundary is a combination of a graded road north of the railroad tracks, the railroad track line, and its maintenance road.

(2) Does the area appear to be natural?

Yes ☒ No ☐ N/A ☐

Note: If "No" is checked, the area does not have wilderness characteristics; check "NA" for the remaining questions below.

Description (include land ownership, location, topography, vegetation, and summary of major human uses/activities):

Since the creation of the 1994 wilderness units, much backcountry car camping within the Needles Field Office has been refocused at the three remaining mountain and canyon areas remaining the Ship Mountains, the Southern Bristol Mountains and Lava Hills, and the Turquoise Mountains to the North. The southeast portion of the area contains the Orange Blossom Mining District and the graded roads leading the old mines associated with it. This is an area of intensive rockhounding. This area also has tribal importance due to the fact it is easily accessible for tribal elders.

(3) Does the area (or the remainder of the area if a portion has been excluded due to unnaturalness and the remainder is of sufficient size) have outstanding opportunities for solitude?

Yes ☒ No ☐ N/A ☐

Description (describe the area's outstanding opportunities for solitude):

The eastern portion of this unit has ample canyons and hills in which to find solitude, however the area is relatively small.

(4) Does the area (or the remainder of the area if a portion has been excluded due to unnaturalness and the remainder is of sufficient size) have outstanding opportunities for primitive and unconfined recreation?

Yes ☒ No ☐ N/A ☐

Note: If "No" is checked for both 3 and 4 the area does not have wilderness characteristics; check "NA" for question 5.

Description (describe the area's outstanding opportunities for primitive and unconfined recreation):

The area is relatively small, but outstanding opportunities can be found.

(5) Does the area have supplemental values (ecological, geological, or other features of scientific, educational, scenic or historical value)?

Yes ☒ No ☐ N/A ☐

Description:

The California Desert Protection Act states that the BLM must "protect and preserve historical and cultural values of the California desert associated with ancient Indian cultures, patterns of western exploration and settlement, and sites exemplifying the mining, ranching and railroading history of the Old West".

The Orange Blossom Mine and the adjacent mining areas are well over 100 years in age.

WILDERNESS CHARACTERISTICS INVENTORY

APPENDIX C – ROUTE ANALYSIS¹

(Factors to consider when determining whether a route is a road² for wilderness characteristics inventory purposes.)

Route Analysis Table

| Route # | | Purpose | Row | Construction Mechanically or Improved Mechanically | Is it in regular or continuous use | Maintenance if needed | WIU Road | Photo Points |
|---------|------|------------|-----|--|------------------------------------|-----------------------|----------|--------------|
| 1 | 7981 | Recreation | No | Yes | Yes | Not Currently | Yes | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |

Wilderness Characteristics Inventory Area Unique Identifier: **CDCA257/South Bristol Mountains**

Route or Route Segment³ Name and/or Identifier: **See Table**

(Include Transportation Plan Identifier, if known, and include route number supplied by citizen information, when available.)

I. LOCATION:

Refer to above map **CDCA257/South Bristol Mountains** and BLM corporate data (GIS) located at the California State Office. List photo point references (where applicable) or reference attached photo log:

Describe:

As stated in Form 2, the northern boundary is a gas line maintenance road right-of-way; the eastern boundary, a maintained road from Bagdad to a gas pipeline maintenance road; and, the western boundary, a maintained road from Klondike to a gas pipeline maintenance road. The southern boundary is a combination of a graded road north of the railroad tracks, the railroad track line, and its maintenance road.

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² Road: An access route which has been improved and maintained by mechanical means to insure relatively regular and continuous use. A way maintained solely by the passage of vehicles does not constitute a road.

a. Improved and maintained – Actions taken physically by people to keep the road open to vehicle traffic. —Improved does not necessarily mean formal construction. —Maintained does not necessarily mean annual maintenance.

h. Mechanical means – Use of hand or power machinery or tools.

c. Relatively regular and continuous use – Vehicular use that has occurred and will continue to occur on a relatively regular basis. Examples are: access roads for equipment to maintain a stock water tank or other established water sources, access roads to maintained recreation sites or facilities, or access roads to mining claims.

³ If a portion of a route is found to meet the wilderness inventory road criteria (see Part III) and the remainder does not meet these criteria (e.g., a cherry system road with a primitive route continuing beyond a certain point), identify each segment and explain the rationale for the separate findings under pertinent criteria.

II. ROUTE CONTEXT

- A. Current Purpose⁴ (if any) of Route: (Examples: Rangeland/Livestock Improvements (stock tank, developed spring, reservoir, fence, corral), Inholdings (ranch, farmhouse), Mine Site, Concentrated Use Site (camp site), Recreation, Utilities (transmission line, telephone, pipeline), Administrative (project maintenance, communication site, vegetation treatment)).

Describe:

The BLM Needles Field Office (NFO) developed the Mojave Adventure Route System (MARS). This system of designated routes was developed to minimize resource damage, as well as providing a system of backcountry touring routes, which offer ample recreational experiences: (i.e., camping, hunting, rockhounding, etc.). The NFO receives funding annually from both federal and state programs to maintain and monitor on a need to basis, the management of these routes also includes the placement of field cameras for the monitoring of use, repairing flood damage, and the placement of route signs and informational kiosks.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route?

Yes _____ No ✓ Unknown _____

2. If yes, what is the stated purpose of the ROW?

3. Is the ROW still being used for this purpose?

Yes _____ No ✓ Unknown or N/A _____

Explain:

***This unit either contains or is immediately adjacent to high-tension electrical lines.**

The Needles Field Office is immediately adjacent to the Colorado River, much of the lands managed by the office support the infrastructure of the Colorado River Energy Complex and powerlines, which move electric to outlying metropolitan areas.

The Boulder Corridor forms the northern boundary and a high-tension energy line forms the southern boundary.

III. WILDERNESS INVENTORY ROAD CRITERIA

- A. Evidence of construction or improvement using mechanical means:

Yes ☒ (if either A.1 or A.2 is checked "yes" below) No ☐ (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) Yes ☒ No ☐

Examples: Paved ☐ Bladed ☒ Graveled ☒ Roadside Berms ☒ Cut/Fill ☒ Other ☐

Describe:

The roads within this area were originally graded to allow access to the mining areas.

⁴ The purpose of a route is not a deciding factor in determining whether a route is a road for wilderness characteristics inventory purposes. The purpose of a route does provide context for factors on which such a determination may be based, particularly the question of whether maintenance of the route ensures relatively regular and continuous use. The purpose also helps to determine whether maintenance that may so far have been unnecessary to ensure such use would be approved by BLM when the need arises.

2. Improvements: (Is there evidence of improvements using mechanical means to facilitate access?) Yes ☒ No ☐ If "yes": by Hand Tools ☐ by Machine ☐

Examples: Culverts ☒ Hardened Stream Crossings ☐ Bridges ☐ Drainage ☒ Barriers ☐ Other ☐

Describe:

Utility Company routinely maintains the corridors.

B. Maintenance: (Is there evidence of maintenance that would ensure *relatively* regular and continuous use?): Yes ☒ (if either B.1 or B.2 is checked "yes" below) No ☐ (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

Yes ☒ No ☐ If "yes": by Hand Tools ☐ by Machine ☐

Explain:

The BLM NFO maintenance and signing team made repairs annually through the use of California Off Highway Motor Vehicle Recreation (OHMVR) grant funding.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

Yes ☒ No ☐

Explain:

As part of the MARS, the route would continue to receive maintenance by the NFO on a need to basis.

⁵ Good condition would be a condition that ensures regular and continuous use relative to the purposes of the route. Consider whether the route can be clearly followed in the field over its entire course and whether all or any portion of the route contains any impediments to travel.

C. Relatively regular and continuous use: (Does the route or route segment ensure relatively regular and continuous use?) Yes ☒ No ☐

Describe evidence (e.g., direct, vehicles or vehicle tracks observed, or indirect, evidence of use associated with purpose of the route such as maintenance of facility that route accesses) and other rationale for whether use has occurred and will continue to occur on a *relatively* regular basis (i.e., regular and continuous use relative to the purpose(s) of the route).⁶

Describe: **See above information.**

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road (i.e., are items III.A and III.B and III.C all checked yes)?

Yes ☒ = Wilderness Inventory Road No ☐ = Not a road for wilderness inventory purposes

Explanation⁸:

Routes belonging to the Designated Route System will be maintained as needed. Routes not designated through the land plan will not be considered a route and therefore will be considered closed.

Closed routes will be evaluated for their use. Routes used to maintain Grazing Infrastructure (Taylor Grazing Act), Herd Management Areas and facilities for the California Fish and Wildlife Department (California Desert Protection Act) will be closed with gates, and barricades, all other routes will be closed through restoration and/or barricades.

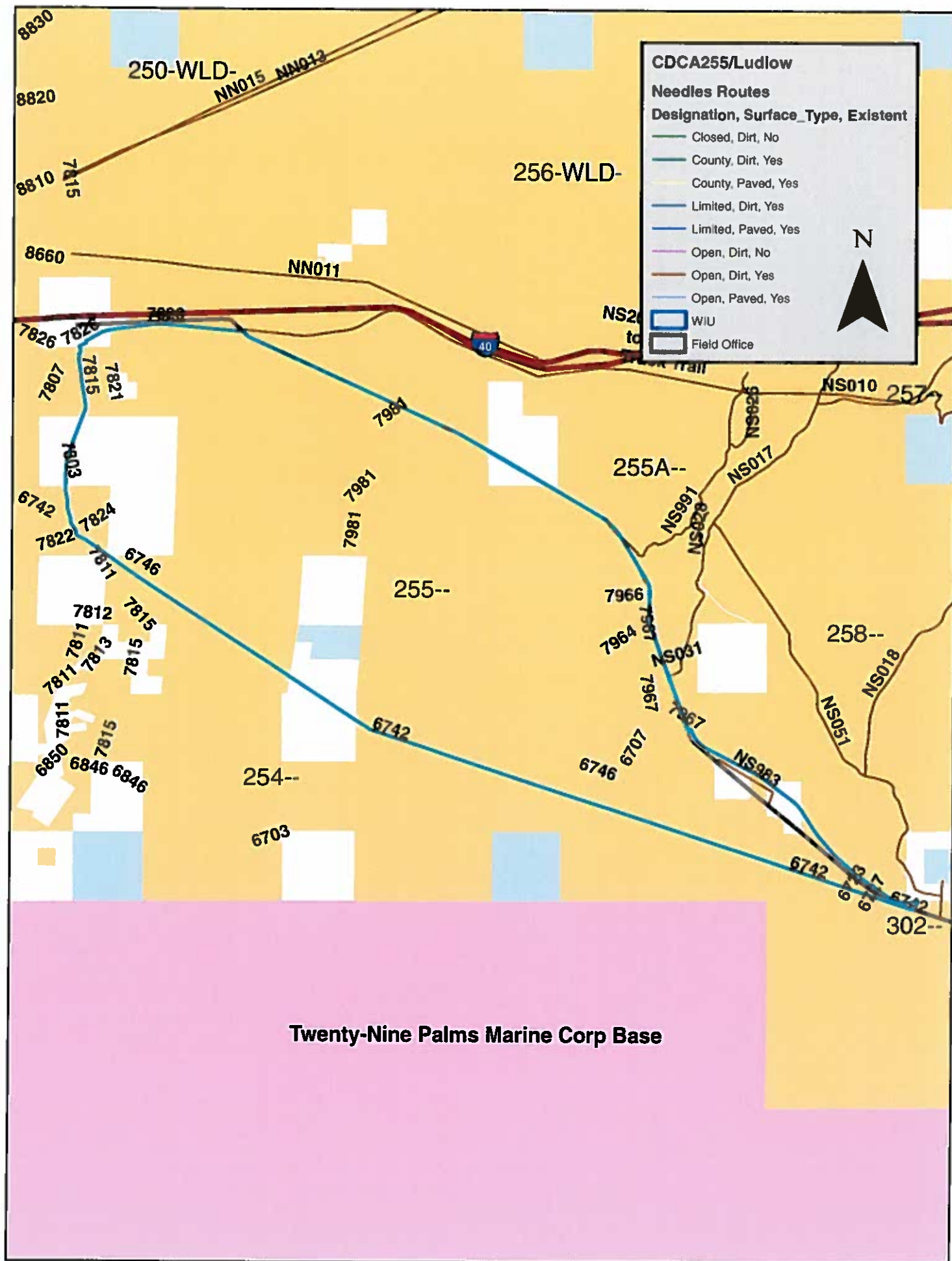
Evaluator(s): _____ Date: _____

⁶ Include estimate of travel rates for the stated purposes, e.g., trips/day or week or month or season or year or even multiple years in some facility maintenance cases.

⁷ If part of the route meets the wilderness inventory road definition and the remainder does not, describe the segment meeting the definition and any remaining portion not meeting the definition and why.

Office: Needles Field Office
Unit: CDCA258/Lava Hills

⁸ Describe and explain rationale for any discrepancies with citizen proposals.



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APPENDIX D - PHOTO LOG

Photographer(s): Nate Stewart

Inventory Area Unique Identifier CDLA 258

| Date | Frame # | Camera Direction | Description | GPS/UTM Location | Township | Range | Sec. | Photo Point # |
|------|-------------------|------------------|--------------------------|--------------------------|----------|-------|------|---------------|
| 5.2 | 102PSU 20038 | E | Bajada - small crevasses | 3,839,488 N 542,735 E | | | | 1 |
| | 103PSU 20039 | S | " | " | | | | " |
| | 110PSU 20040 | W | Pipeline road | 3,840,944 N 546,383 E | | | | 2 |
| | 115PSU 20041 | S | Lava hills | " | | | | " |
| | 116PSU 20042 | E | Pipeline road | " | | | | " |
| | 125PSU 20045 | S | Sparse bajada | 3,834,844 N 549,512 E | | | | 3 |
| | 125W PSU 20044 | SW | " | " | | | | " |
| | 50PSU 20015 | N | Sparse bajada | 3,835,741 N 609,301 E | | | | 4 |
| | 50PSU 20016 | W | " | " | | | | " |
| | 60PSU 20019 | N | view of hills | 3,836,744 N 606,186 E | | | | 5 |
| | 60PSU 20020 | W | " | " | | | | " |
| | 70PSU 20023 | NE | Lava hills | 3,828,706 N 549,272 E | | | | 6 |
| | 70PSU 20024 | NW | " | " | | | | " |

| | | | | | | | | |
|-----|----------------|---|--------------------|--------------------------|--|--|--|---|
| 5.2 | 80PSU 20027 | N | Bajada | 3,832,506 N 544,857 E | | | | 7 |
| | 80PSU 20030 | E | " | " | | | | " |
| | 85PSU 20029 | S | Road (640024) | " | | | | " |
| | 90PSU 20031 | N | low pink hills | 3,835,655 N 543,248 E | | | | 8 |
| | 90PSU 20034 | E | Topography closeup | " | | | | " |

Point 1



East



South

Point 2



West



South



East

Point 3



South

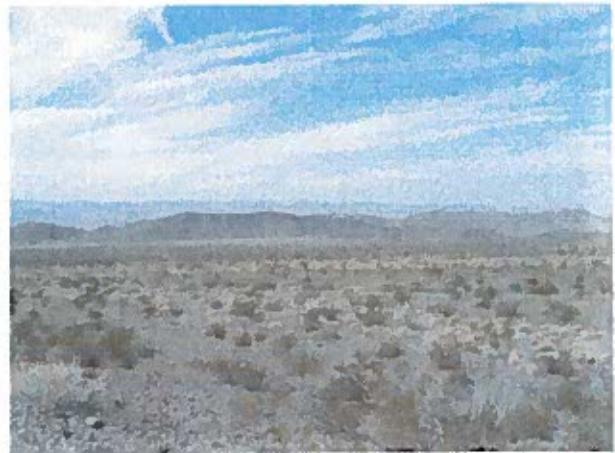


Southwest

Point 4

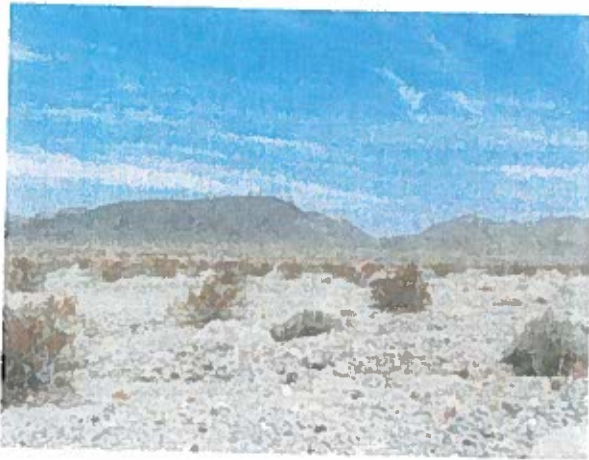


North



West

Point 5

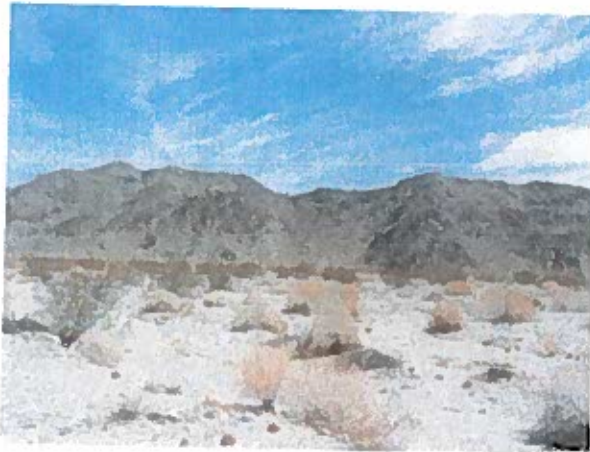


North

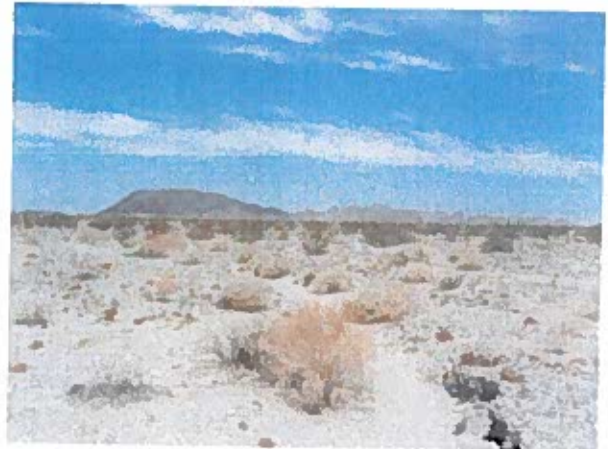


West

Point 6



Northeast



Northwest

Point 7



North



East



South

Point 8



North



East